

1929.

ANNUAL REPORT

OF THE

Medical Officer of Health

FOR THE

BOROUGH OF MAIDSTONE.

CHARLES PYE OLIVER, M.D., Lond.,

Doctor in State Medicine, University of London;

Diplomate in Public Health, England; M.R.C.S., L.R.C.P.

Medical Officer to the Education Authority for the Borough of Maidstone.

Fellow of the Royal Institute of Public Health.

Maidstone :

W. P. DICKINSON & SON, LTD., PRINTERS AND STATIONERS, HIGH STREET.

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BOROUGH OF MAIDSTONE.

HEALTH COMMITTEE. 1929-1930.

Chairman.

Alderman F. G. LAURENCE, J.P.

Members.

HIS WORSHIP THE MAYOR (Councillor T. ARMSTRONG, J.P.)

Alderman A. T. EPPS, J.P.

„ J. TOMLIN, J.P.

Councillor F. R. CONNOR,	Councillor W. H. MARTIN, J.P.
„ R. W. BEALE,	„ W. G. WELLS,
„ W. R. HYDE,	„ A. WOOD-MARTYN, D.S.O.
„ S. J. LYLE,	„ H. G. TYRWHITT-DRAKE, J.P.

MATERNITY AND CHILD WELFARE COMMITTEE, 1929-1930.

Chairman.

Alderman F. G. LAURENCE, J.P.

Members.

HIS WORSHIP THE MAYOR (Councillor T. ARMSTRONG, J.P.)

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„ R. W. BEALE,	„ H. G. TYRWHITT-DRAKE,
„ W. R. HYDE,	J.P.
„ S. J. LYLE,	Dr. GRACE GARRATT,
„ W. H. MARTIN, J.P.	Mrs. B. W. HAYNES,
„ W. G. WELLS,	Mrs. H. J. RING,

BOROUGH OF MAIDSTONE.

REPORT OF THE MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1929.

TO THE URBAN DISTRICT COUNCIL.

MR. MAYOR AND GENTLEMEN,

In accordance with instructions received from the Ministry of Health, I herewith beg to bring to your consideration my Annual Report on the Health of the Borough of Maidstone.

The report as to contents and arrangement is based on the Memorandum issued by the Ministry of Health.

Following these instructions, details are omitted as to conditions which do not vary from year to year, and information asked for in certain years is curtailed.

I have the honour to be,

Mr. Mayor and Gentlemen,

Your obedient Servant,

C. PYE OLIVER, M.D.,

Doctor in State Medicine (Lond.).

THE GABLES,

MAIDSTONE.

April 30th, 1930.

GENERAL STATISTICS.

AREA.—4,008 acres.

POPULATION :—Census 1921—37,448.

Estimated 1929—For Birth Rate 40,730.
(June 30th) For Death Rate 40,550.

NUMBER OF INHABITED HOUSES.

1921 8172.

NUMBER OF FAMILIES OR SEPARATE OCCUPIERS.

1921 8,876.

RATEABLE VALUE.

£332,626.

SUM REPRESENTED BY A PENNY RATE.

£1,325.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

LIVE BIRTHS

	Totals.	Male.	Female.
Legitimate	613	310	303
Illegitimate	34	16	18

STILLBIRTHS.

Legitimate	18	11	7
Illegitimate	1	—	1

Birth Rate, 15.9

	Totals.	Male.	Female.
DEATHS	499	252	247

Death Rate, 12.6

Number of Women dying in or in consequence of Childbirth.—

From Sepsis	—
„ other causes	—

Deaths of Infants under one year of age per 1,000 Births :—

Legitimate.....	46.37	
Illegitimate	58.82	Total 49.5

Deaths from Measles (all ages)	1
„ „ Whooping Cough	9
„ „ Diarrhoea (under 2 years of age)	3

GENERAL PROVISION OF HEALTH SERVICES IN THE BOROUGH.

Arrangements have been made with the Kent County Nursing Association for the home nursing of cases of measles in young children, but it has not been necessary to call upon the Association for this service.

A maternity unit of two beds has recently been opened in connection with the West Kent General Hospital, where cases of normal labour are admitted through the medium of the Maternity and Child Welfare Centre. This block has been most useful in providing accommodation for such cases as have only limited space at home. The cases selected for admission are those where this is most acute.

During the year 46 cases were admitted, the average duration of stay being fourteen days.

There are also two beds retained here for complicated maternity cases. One of these was occupied during the year.

Maternal deaths occurring within the Borough are reported to the County Medical Officer of Health, who undertakes detailed enquiries into the causes of such deaths.

The severer illnesses of children up to five years of age where the home conditions are not satisfactory are received at the West Kent General Hospital. This is a voluntary agency. The Local Authority does not contribute directly to its funds.

PUBLIC HEALTH STAFF.

The Public Health Staff consists of the Medical Officer of Health (part-time officer), who is also the School Medical Officer, and a Chief Inspector, an additional Inspector, two Clerks and two Health Visitors. The Chief Inspector holds the Royal Sanitary Institute Certificate for meat and other foods.

Maternity and Child Welfare Centres.

This has now been established for 14 years, and meets at the Old Palace on Tuesday and Friday afternoons, when Dr. Grace Garratt attends for purpose of consultation.

Many voluntary helpers also attend to receive the mothers, weigh babies, sell clothing, dried milk, etc., at cost price.

There is another place for meeting at the extreme west of the town where a clinic is held on Thursday afternoons.

A centre has recently been opened in Mangravet on the out skirts of the Borough.

This is a new estate and is at present occupied in the main by the industrial class.

In addition to these centres for children there is also an antenatal clinic held at the Old Palace on Tuesday morning where Dr. Grace Garratt is also available for consultation.

There is close connection between the Child Welfare and Maternity centre, and the West Kent General and Ophthalmic and Aural Hospitals where cases requiring operation or in-patient treatment are received on a voluntary basis.

The centre is run by a Voluntary Committee containing Members of the Borough Council and has one Health Visitor lent by the Council and another provided by the funds of the centre.

The detail is subjoined :—

INFANT WELFARE FIGURES FOR 1929.

No. of first visits paid to the homes of Infants	...	...	502
,, return „ „ „	...	...	2204
,, return „ „ Children	...	...	5087
,, first visits paid to Ante-Natal Cases	...	...	185
,, return „ „ „	...	...	135
,, visits <i>re</i> removal, death of child, stillbirth, etc.	...	...	269
Attendances of Mothers at Old Palace	...	...	3907
,, Infants „ „ „	...	...	2599
,, Children „ „ „	...	...	2266
,, Mothers at Barming	...	...	739
,, Infants „ „ „	...	...	387
,, Children „ „ „	...	...	534
,, Mothers at Mangravet	...	...	482
,, Infants „ „ „	...	...	212
,, Children „ „ „	...	...	530
Medical Inspections at Old Palace	...	...	97
,, Barming	...	...	25
,, Mangravet	...	...	22
Ante-Natal Clinics held	...	...	52
Individual Mothers attending	...	...	168
TOTAL ATTENDANCES	...	...	467
Number of Health Talks given at Old Palace	...	...	55
,, „ „ „ Barming	...	...	23
,, „ „ „ Mangravet	...	...	23
Infants and Children seen by Doctor at Old Palace	...	...	2706
,, „ „ „ Barming	...	...	491
,, „ „ „ Mangravet	...	...	392
Average Attendance of Infants and Children at Old Palace	48.17		
,, Number seen by Doctor at Old Palace	...	...	27.89
,, Attendance of Infants and Children at Barming	...	...	19.19
,, Number seen by Doctor at Barming	...	...	19.64
,, Attendance of Infants and Children at Mangravet	...	...	16.48
,, Number seen by Doctor at Mangravet	...	...	17.81

INFANT WELFARE FIGURES FOR 1929 (*continued*).

Individual Mothers attending at Old Palace	...	...	368
" Infants	"	"	287
" Children	"	"	182
" Mothers	"	Barming	65
" Infants	"	"	46
" Children	"	"	39
" Mothers	"	Mangravet	51
" Infants	"	"	32
" Children	"	"	53
Pre-School Clinic Attendances (3-5 years of age)	...	...	118
Individual Children	...	...	68
Average Attendance	...	...	9.83
Cooking Classes held	...	...	12
Attendance of Mothers	...	...	120
Individual Mothers	...	...	17
Sewing Classes held	...	...	17
Attendance of Mothers	...	...	132
Individual Mother	...	...	14

OPHTHALMIA NEONATORUM.

CASES.						
	Notified.	Treated.		Vision Unim- paired.	Vision Im- paired.	Total Blind- ness.
		At Home.	In Hospital.			
Ophthalmia Neonatorum	—	—	—	—	—	—

**PREMISES AND OCCUPATIONS
CONTROLLED BY BYE-LAWS.**

Bye-laws have been adopted with respect to the following :—

Tents, vans, sheds, etc., for human habitation (July, 1903).

Houses-let-in-lodgings (July, 1903).

New bye-laws with respect to the better accommodation of persons engaged in hop-picking and picking of fruit and vegetables (September, 1926).

Bye-laws and regulations with regard to sanitary conveniences :—

Common-lodging-houses.

Offensive trades.—Blood boiler, blood drier, bone boiler, flemonger, tanner, leather dresser, soap boiler, tallow melter, fat melter, tripe boiler, glue maker, size maker, gut scraper.

New Streets and buildings.

New bye-laws with respect to slaughter-houses have been adopted, in which are incorporated sections dealing with the humane slaughtering of animals (September, 1924).

Powers have been taken under the Maidstone Corporation Act, 1923, for the better supervision of markets and slaughter-houses; for courts to be flagged and drained; for the prevention of obstructive buildings; to prevent spread of infectious disease amongst children in schools and in common-lodging-houses; for regulating manufacture and sale of ice cream, etc.; for cleansing of verminous persons and premises, etc.

WATER REPORT.

Samples of each of the water supplies have been analysed week by week and found to be satisfactory. These samples are collected at the source, and as near the point of distribution in the houses as possible on alternate weeks.

The analyses in detail, numbering 156, are set forth in the appendix, while the respective averages for the four supplies are shown in the following table:—

Average results during the year 1929.				BOARLEY.	COSINGTON.	FORSTAL.	COSINGTON AND FORSTAL (MIXED).
Total Solids...	...	...	...	35.4	31.9	56.7	16.7
Chlorine	...	...	...	2.4	2.2	3.9	3.2
Nitrogen as Nitrates	...	...	...	0.5	0.3	0.3	0.3
Free Ammonia	...	...	...	0.0	0.0	0.0	0.0
Albuminoid Ammonia	...	...	...	0.0	0.0	0.0	0.0
Hardness. Total	...	...	...	22.9	21.1	35.8	29.6
“ Permi.	...	...	...	5.8	5.1	13.0	9.3
Colour and appearance in a 2-foot tube	...	...	...	clear	clear	clear	clear
Smell ..	...	...	...	none	none	none	none
Phosphoric Acid	...	...	...	none	none	none	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

The gathering grounds at Boarley and Cossington, together with the reservoirs at Boarley, Detling, and Barnming, continue to be patrolled daily by an employee of the Waterworks Company. These, together with the new reservoir at Loose and the pumping station at Forstal, have been inspected by myself in company with Professor John Eyre, Dr. Greenwood, the County Medical Officer of Health, and Mr. Harden, the Engineer.

The grounds have invariably been found in a satisfactory condition. The reservoirs are well protected by substantial fences. The pumping station at Forstal, with the bore hole, is also in a satisfactory condition.

Each of the specimens from the various supplies has been bacterially examined under the supervision of Professor John Eyre, whose last report on samples of water collected half-yearly, dated January 27th, 1930, indicate "that the Maidstone water as a whole still maintains a high degree of excellency as a potable supply. The water from the Loose Reservoir appears to be undergoing progressive improvement."

FACTORIES AND WORKSHOPS.

173 inspections have been made and 9 written notices issued.

The number of defects found were 9 and they were all remedied.

Factories.....	118
Workshops	122
Workplaces ...	10
Bakehouses.....	25

PREMISES AND OCCUPATIONS WHICH CAN BE CONTROLLED BY BYE-LAWS OR REGULATIONS.

The following premises are controlled by Bye-Laws and Regulations:—

- 6 Common Lodging Houses.
- 20 Slaughter Houses.
- 4 Houses let in Lodgings.
- 9 Cowsheds.
- 36 Dairies and Milkshops.
- 1 By-Products Factory, comprising bone boiler, fat melter and tallow melter.

RAG FLOCK ACTS, 1911 & 1928.

There are four premises on which rag flock is used and inspections have been made.

Factories, Workshops and Workplaces.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES, Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecutions. (4)
Factories.....	50	1	—
(Including Factory Laundries).			
Workshops.....	56	8	—
(Including Workshop Laundries).			
Workplaces	3	—	—
(Other than Outworkers' premises).			
TOTAL.....	109	9	—

2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

PARTICULARS. (1)	Number of Defects.			Number of Prosecu- tions. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
Nuisances under the Public Health Acts :*				
Want of Cleanliness	6	6	—	—
Want of Ventilation.....	1	1	—	—
Overcrowding	—	—	—	—
Want of Drainage of Floors	—	—	—	—
Other Nuisances	—	—	—	—
Sanitary Accommodation. Insufficient	2	2	—	—
Accommodation. Unsuitable or Defective	—	—	—	—
Accommodation. Not Separate for Sexes ...	—	—	—	—
Offences under the Factories and Workshops Acts :—				
Illegal Occupation of Underground Bake- house (s. 101).....	—	—	—	—
Other Offences	—	—	—	—
(Excluding Offences relating to out- work and Offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers Order, 1921).)				
TOTAL.....	9	9	—	—

* Including those specified in sections 2, 3, 7 and 8 of the Factories and Workshops Act, 1901, as remediable under the Public Health Acts.

Sanitary Inspection of the Area

TABLE OF WORK OF SANITARY INSPECTORS.

HOUSING.

Number of new houses erected during the year:—

(a) Total	...	...	...	...	...	...	318
(b) With State assistance under the Housing Acts:—							
(i.) By the Local Authority	...	...	...	...	...	...	171
(ii.) By other bodies or persons	...	...	...	...	...	...	100

UNFIT DWELLING HOUSES.

I.—Inspection.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	669
(2) Number of dwelling-houses which were inspected and recorded under the Housing Consolidated Regulations, 1925	77
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation...	Nil
4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ...	565

II.—Remedy of Defects without Service of formal Notices.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	209
---	-----

III.—Action under Statutory Powers.

A.—PROCEEDINGS UNDER SECTION 3 OF THE HOUSING ACT, 1925.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	3
2) Number of dwelling-houses which were rendered fit after service of formal notices:—	
(a) by owners	2
(b) by Local Authority in default of owners ...	1

(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ...	Nil
--	-----

B.—PROCEEDINGS UNDER PUBLIC HEALTH ACTS.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	326
(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—	
(a) by owners	265
(b) by Local Authority in default of owners ...	2

HOUSING (continued).

C.- PROCEEDINGS UNDER SECTION 11, 14 AND 15 OF THE HOUSING ACT, 1925.		
(1) Number of representations made with a view to the making of Closing Orders	...	Nil
(2) Number of dwelling-houses in respect of which Closing Orders were made	...	Nil
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	...	Nil
(4) Number of dwelling-houses in respect of which Demolition Orders were made	...	Nil
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	...	Nil

SCAVENGING.

The erection of an Incinerator or some other equally suitable means for the disposal of house refuse is being considered by my Authority. In the meantime they have decided to adopt the "Bradford" system of tipping for six months trial.

DESTRUCTION OF UNSOUND FOOD.

23,316 lbs. of different kinds of food have been destroyed, which includes 315 lbs of fish, 607 lbs. of chilled beef, 9 cows, 276 pigs.

SLAUGHTERHOUSES.

There are 16 Registered and 4 Licensed in the Borough. They are inspected regularly for cleanliness, etc., and also when slaughtering is in hand for inspection of meat. 870 inspections were made in 1929.

DISINFECTION.

The disinfection of houses where infections diseases occur is regularly carried out and articles of bedding and clothing are removed to the Sanatorium, where they are put through a steam disinfecter. Rooms are disinfected after the death or removal of cases of Tuberculosis.

During 1929, 9,406 articles and 259 rooms were disinfected.

DAIRIES, COWSHEDS AND MILKSHOPS ORDER.

These premises are regularly inspected, and kept in a sanitary condition; 55 inspections were made in 1929.

MILK; and CREAM not sold as PRESERVED CREAM.

	(a) Number of samples examined for the presence of a preservative.	(b) Number in which a preservative was reported to be present.
Milk	51	—
Cream	—	—

SALE OF FOOD AND DRUGS ACT.

During the year 84 samples were taken, comprised as follows:—

Article.	Number.	Number Genuine.	Article.	Number.	Number Genuine.
Milk	51	45	Raisin Wine ..	2	2
Scotch Whisky ...	3	3	Gelatine	1	—
Butter	1	1	Certified Milk...	10	9
Margarine	2	1	Sterilized Milk	2	2
Beef Sausages.....	1	1	Preserved		
Gin	1	1	Cherries	1	1
Pork Sausages ...	1	1	Rum	1	1
Egg Powder	2	2			
Strawberry Jam...	1	1			
Coffee Extract ...	2	2			
Pepper	2	2			

PROSECUTIONS. MILK SAMPLES.

(1) 9% deficient in fat or cream.....	Vendor fined £2.
(2) 28% " " "	" £3.
(3) 12% " " "	" £1.

MILK AND DAIRIES ORDER, 1926.

(1) Filling a milk bottle in the street ..	Dismissed on payment of costs.
(2) " " ..	Fined 5s.
(3) " " ..	Fined 10s.
(4) For aiding and abetting in case (3) ..	Fined 15s.
(5) Filling a milk bottle in the street ..	Dismissed on payment of costs.
(6) " " ..	Fined 5s.
(7) Filling milk bottles in the street ..	Fined £1.

SECTION 94. PUBLIC HEALTH ACT. 1875.

(1) Neglect to abate nuisance in dwelling-house Ordered to carry out work within 28 days.
(2) ,, ,, Ordered to carry out work within 28 days.

AMBULANCE FACILITIES.

Infectious cases are removed in a motor ambulance provided by the Borough.

Non-infectious and accident cases are removed by two motor ambulances, in a very efficient manner and on a voluntary basis, by the Maidstone Division of the St. John Ambulance Brigade.

Infectious Diseases.

The notifications of infectious diseases made during the year were as follows:—

DISEASE	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Scarlet Fever	71	62	—
Diphtheria	63	62	3
Puerperal Fever	1	1	—
Puerperal Pyrexia	1	—	—
Pneumonia	56	14	41
Erysipelas	23	—	2
Dysentery	8	—	—
Cerebro-Spinal Meningitis	1	1	—
Total	221	141	46

Tuberculosis.

The number of deaths from all forms of Tuberculosis which had been notified was 32. The number which had not been notified was 11.

The ratio of non-notified Tuberculosis deaths to total number of Tuberculosis deaths was thus 34 to 1.

Public Health (Prevention of Tuberculosis) Regulations, 1925.

No action was necessary in regard to any employees in the milk trade.

Public Health Act, 1925, Section 62.

No action as to compulsory removal of tuberculosis patients to hospital was taken during the year.

Age Periods,	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	M.	F.	M.	F.	M.	F.	M.	F.
0	—	1	—	—	—	—	—	—
1	—	—	1	—	—	—	1	1
5	3	3	1	—	1	—	1	—
10	—	1	—	—	1	—	—	—
15	2	5	—	—	—	—	2	—
20	5	6	—	—	—	—	1	2
25	5	5	—	—	1	5	5	1
35	9	2	—	—	1	3	2	—
45	3	3	—	—	—	5	2	—
55	—	1	—	—	—	2	—	—
65 and upwards	—	1	—	—	—	1	2	—
Totals ..	27	28	2	3	18	15	3	5

Analysis of Cases of Notifiable Diseases under Age Groups.

Disease.	Under 1	1	2	3	4	5	10	15	20	35	45	65	Total
Scarlet Fever ...	1	1	4	5	31	10	3	13	2	1	—	—	71
Diphtheria	1	1	1	6	4	32	11	1	4	—	—	—	63
Puerperal Fever	—	—	—	—	—	—	—	1	—	—	—	—	1
Puerperal Pyrexia	—	—	—	—	—	—	—	—	1	—	—	—	1
Pneumonia	1	1	5	3	3	2	2	5	8	9	13	4	56
Erysipelas	—	—	—	—	—	1	—	2	5	7	8	—	23
Dysentery	—	—	—	—	—	2	1	—	1	2	2	—	8
Cerebro Spinal Meningitis	—	—	—	—	—	—	—	1	—	—	—	—	1
Totals	2	3	7	13	42	65	26	10	30	17	21	15	224

Analysis of Deaths of Notifiable Diseases under Age Groups.

Disease.	Under 1	1	2	3	4	5	10	15	15-20	20	30	35-45	45-65	65 and over	Total.
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria .....	...	...	...	1	1	1	...	...	...	...	...	...	...	...	3
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia	4	6	1	1	2	1	...	1	2	3	11	9	41		
Erysipelas .....	...	...	...	...	...	...	...	...	...	...	1	1	1	2	
Dysentery .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-Spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals.....	4	6	1	2	3	2	...	1	2	3	12	10	46		

LABORATORY WORK.

Bacterial aids to diagnosis have been utilised to an increasing extent year by year. The County Laboratory is of great value to not only the Public Health Department of the Borough, but also to the private medical practitioner as is evidenced by the number of specimens examined as set forth in the subjoined table:—

Disease for which examination was made.	Results.		Total.
	Positive.	Negative.	
Diphtheria	108	1172	1280
Enteric Fever	1	29	30
Pulmonary Tuberculosis.....	46	150	196
Various	16	17	33
	171	1368	1539

A supply of Diphtheria Antitoxin is available for use by medical practitioners, and can be obtained free of charge from the Police Station or from the Sanatorium, Fant Lane, or Health Department, Tonbridge Road, either by night or day.

TABLE I.

	Causes of Death.						M.	F.
All Causes	...	...	...	...	...	...	252	247
1	Enteric Fever	...	...	...	...	...	...	...
2	Small-pox	...	...	...	...	...	...	...
3	Measles	...	...	...	...	...	1	...
4	Scarlet Fever	...	...	...	...	...	...	...
5	Whooping Cough	...	...	...	...	...	6	3
6	Diphtheria	...	...	...	...	...	2	1
7	Influenza	...	...	...	...	...	5	5
8	Encephalitis Lethargica	...	...	...	...	...	...	...
9	Meningococcal Meningitis	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	...	...	...	...	...	18	15
11	Other Tuberculous Diseases	...	...	...	...	...	3	5
12	Cancer, Malignant Disease	...	...	...	...	...	35	32
13	Rheumatic Fever	...	...	...	...	...	1	...
14	Diabetes	...	...	...	...	...	2	1
15	Cerebral Haemorrhage, &c.	...	...	...	...	...	13	12
16	Heart Disease	...	...	...	...	...	44	67
17	Arterio-sclerosis	...	...	...	...	...	12	6
18	Bronchitis	...	...	...	...	...	14	18
19	Pneumonia (all forms)	...	...	...	...	...	26	15
20	Other Respiratory Diseases	...	...	...	...	...	3	3
21	Ulcer of Stomach or Duodenum	...	...	...	...	...	3	1
22	Diarrhoea, &c. (under 2 years)	...	...	...	...	...	1	2
23	Appendicitis and Typhlitis	...	...	...	...	...	...	...
24	Cirrhosis of Liver	...	...	...	...	...	3	1
25	Acute and Chronic Nephritis	...	...	...	...	...	8	5
26	Puerperal Sepsis	...	...	...	...	...	...	...
27	Other Accidents and Diseases of Pregnancy and Parturition	...	...	...	...	...	...	...
28	Congenital Debility and Malformation, Premature Birth	...	...	...	...	...	9	5
29	Suicide	...	...	...	...	...	6	4
30	Other Deaths from Violence	...	...	...	...	...	...	7
31	Other defined Diseases	...	...	...	...	...	28	39
32	Causes ill-defined or unknown	...	...	...	...	...	1	...

TABLE II.

INFANT MORTALITY, 1929. NETT DEATHS FROM STATED CAUSES AT VARIOUS AGES UNDER 1 YEAR OF AGE.

	All Causes	...	...	...	Under 1 week		1-2 weeks		2-3 weeks		3-4 weeks		Total under 4 weeks		4 weeks and under 3 months		3 months and under 6 months		6 months and under 9 months		9 months and under 12 months		Total Deaths under 1 year	
					1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Small-pox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Chicken-pox	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Measles	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Scarlet Fever	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Whooping Cough	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diphtheria and Croup	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Erysipelas	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Tubercular Meningitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Abdominal Tuberousis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Other Tuberousis Diseases	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Meningitis (not Tuberousis)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Convulsions	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Laryngitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bronchitis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pneumonia (all forms)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Diarrhea	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Enteritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gastritis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Syphilis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Rickets	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Suffocation, overlying	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Injury at birth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Atelectasis	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Congenital Malformations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Premature birth	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Atrophy, Debility and Malasmus	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Other Causes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Totals	9	2	2	1	14	1	3	3	3	3	3	3	3	3	7	5	32			
Nett Births in the year	{ Legitimate		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	613		
	{ Illegitimate		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34		
Nett Deaths in the year	{ Legitimate Infants		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30		
	{ Illegitimate Infants		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2		

TABLE III.

ANNUAL STATISTICS RELATING TO MATERNITY HOME FOR YEAR 1929.

Name of Institution—West Kent General Hospital (Maternity Ward).

Number of Beds ... 2.

(1) Number of cases in home on 1st January, 1929	2
(2) Number of cases admitted during 1929	46
(3) Average duration of stay	14 days.
(4) Number of cases delivered by	
(a) Midwives	45
(b) Doctors	1
(5) Number of cases in which medical assistance was sought by the mid-wife with reasons for requiring assistance	Medical Officer visits daily and sees all patients before, during and after labour.
(a) Ante-natal	
(b) During labour	
(c) After labour (state separately the number of ruptured perineums which required suture).	14
(d) For infant.	Seen daily.
(6) Number of cases notified as	
(a) Puerperal Fever	Nil.
(b) , , Pyrexia	Nil.
(i.e. rise of temperature to 100·4° F. for 24 hours or its recurrence within that period) with result of treatment in each case.	
(7) Number of cases of Pemphigus Neonatorum.	Nil.
(8) Number of cases notified as Ophthalmia Neonatorum with result of treatment in each case.	Nil.
(9) Number of cases of "inflammation of the eyes," however slight.	4
(10) Number of Infants not entirely breast-fed while in the Institution, with reasons why they were not breastfed.	2 Entirely bottle fed. 1 Mother previous amputation both breasts. 1 Mother twins and insufficient supply. 7 Supplementary feeds on account of failure to gain weight.
(11) Number of Maternal deaths with causes.	Nil.
(12) Number of Fœtal Deaths	
(a) Stillborn,	Nil.
(b) within 10 days of birth State the causes, and the results of post mortem examination if obtainable.	Nil.

TABLE IV.—Barley Water Supply.

Source of Sample.	Date of Collections.	Total solid.	Chlorine.	Nitrogen as Nitrates.	Free.	Ammonia.	Hardness.	Appearance in 2 ft. tube.		Phosphoric Acid.
								Albuminoid.	Total.	
1929.										
Gathering Ground	Jan. 7	355	24	0.4	0.01	0.0	236	5.8	clear	none
26, Market Street	14	355	24	0.4	0.0	0.0	236	5.8	..	..
Gathering Ground	21	350	23	0.5	0.0	0.0	231	5.8	..	..
10, Albert Street	28	312	23	0.4	0.0	0.0	232	5.8	..	..
Gathering Ground	Feb. 4	335	22	0.7	0.0	0.0	230	5.8	..	..
14, Waterside	11	340	22	0.6	0.01	0.0	232	5.8	..	..
Gathering Ground	18	315	22	0.7	0.0	0.0	231	5.8	..	..
23, Medway Street	25	350	23	0.4	0.0	0.0	232	5.4	..	..
Gathering Ground	Mar. 1	360	23	0.4	0.0	0.0	236	5.6	..	..
25, Waterside	11	245	23	0.4	0.0	0.0	224	5.6	..	..
Gathering Ground	18	350	23	0.4	0.01	0.0	228	5.6	..	..
40, Albert Street	25	355	24	0.4	0.0	0.0	228	5.6	..	..
Gathering Ground	April 2	350	23	0.5	0.0	0.0	228	5.6	..	..
13, Mote Road	8	355	23	0.4	0.0	0.0	228	5.6	..	..
Gathering Ground	15	360	24	0.5	0.0	0.0	228	5.6	..	..
16, Gabriel's Hill	22	350	24	0.7	0.0	0.0	224	5.6	..	..
Gathering Ground	29	360	23	0.5	0.0	0.0	228	5.6	..	..
38, Sandling Road	May 6	345	24	0.6	0.0	0.0	224	5.6	..	..
Gathering Ground	13	315	24	0.4	0.02	0.0	224	5.6	..	..
21, Hope Street	21	330	24	0.5	0.0	0.0	222	5.6	..	..
Gathering Ground	27	345	24	0.4	0.0	0.0	224	5.6	..	..
4, Perryfield Street	June 3	345	24	0.6	0.0	0.0	224	5.6	..	..
Gathering Ground	10	345	24	0.6	0.0	0.0	224	5.6	..	..
6, Len Cottages,	17	345	24	0.4	0.0	0.0	224	5.6	..	..
Bank Street										
Gathering Ground	24	350	23	0.6	0.0	0.0	226	5.8	..	..
38, Sandling Road	July 1	350	24	0.4	0.0	0.0	232	6.0	..	..
Gathering Ground	8	345	24	0.4	0.0	0.0	230	5.8	..	..
21, Astley Street	15	350	23	0.4	0.0	0.0	236	5.6	..	..
Gathering Ground	22	350	23	0.3	0.0	0.0	234	5.6	..	..
3, Rose & Crown	29	355	24	0.5	0.0	0.0	232	5.6	..	..
Yard										
Gathering Ground	Aug. 6	340	24	0.3	0.0	0.0	230	5.6	..	..
Gathering Ground	12	350	22	0.4	0.0	0.0	230	5.6	..	..
Gathering Ground	19	340	24	0.4	0.0	0.0	230	5.6	..	..
15, Arundel Street	26	350	24	0.4	0.0	0.0	230	5.6	..	..
Gathering Ground	Sept. 2	350	24	0.3	0.0	0.0	232	5.6	..	..
11, Stacey's Passage	9	345	24	0.4	0.0	0.0	230	5.6	..	..
Gathering Ground	16	350	24	0.5	0.0	0.0	234	5.6	..	..
25, Medway Street	23	430	31	0.3	0.0	0.0	274	8.8	..	..
Gathering Ground	30	350	23	0.2	0.0	0.0	236	5.4	..	..
1, Undercliffe	9	440	33	0.2	0.0	0.0	284	8.8	..	..
Gathering Ground	14	350	23	0.6	0.01	0.0	236	5.4	..	..
Dairy, Romney Place	21	370	24	0.5	0.0	0.0	236	5.4	..	..
Gathering Ground	28	345	23	0.4	0.0	0.0	234	5.4	..	..
10, Albert Street	Nov. 4	365	24	0.4	0.0	0.0	232	5.4	..	..
Gathering Ground	11	340	24	0.4	0.0	0.0	230	5.4	slightly turbid	..
24, Albert Street	18	350	23	0.7	0.0	0.0	228	5.4	clear	..
Gathering Ground	25	340	23	0.5	0.0	0.0	228	5.4	..	..
71, Boxley Road	Dec. 2	355	21	0.6	0.0	0.0	236	5.6	..	..
Gathering Ground	9	360	23	0.5	0.0	0.0	236	5.6	..	..
4, Mote Road	16	410	30	0.3	0.0	0.0	292	9.0	..	..
Gathering Ground	23	375	24	0.3	0.0	0.0	234	5.6	..	..
71, Mote Road	30	370	24	0.6	0.0	0.0	232	5.6	..	..
Mean results for 1929	32 samples	351	24	0.5	0.0	0.0	229	5.8	clear	none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE V.—Cossington Water Supply.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.	Hardness.	Colour and appearance in 2-ft. tube.	Smell.	Phosphoric Acid.
Gathering Grounds	1929.								
	Jan. 11	330	22	0.3	00	00	226	52	clear
	" 28	330	21	0.2	00	00	220	52	"
	Feb. 11	330	21	0.2	00	00	220	52	"
	" 25	330	22	0.3	00	00	216	52	"
	Mar. 11	330	22	0.3	00	00	216	52	"
	" 15	330	23	0.3	00	00	216	52	"
	April 8	335	22	0.3	00	00	216	52	"
	" 22	325	22	0.4	00	00	216	52	"
	May 6	320	22	0.4	00	00	214	52	"
	" 21	320	21	0.4	00	00	214	52	"
	June 3	320	21	0.4	00	00	212	52	"
	" 17	330	21	0.2	00	00	216	52	"
	July 4	320	22	0.2	00	00	213	48	"
	" 15	310	21	0.3	00	00	216	52	"
	" 29	265	22	0.3	00	00	184	54	"
	Aug. 12	325	23	0.4	00	00	216	52	"
	" 26	310	24	0.3	02	00	216	52	"
	Sept. 9	270	24	0.3	00	00	180	52	"
	" 23	300	22	0.3	00	00	180	48	slightly turbid
	Oct. 9	315	21	0.2	00	00	180	48	clear
	" 21	330	22	0.3	00	00	210	52	"
	Nov. 4	340	21	0.3	00	00	228	52	"
	" 18	330	21	0.4	00	00	220	52	"
	Dec. 2	320	22	0.3	00	00	216	50	"
	" 16	320	22	0.2	00	00	216	50	"
	" 30	325	22	0.4	00	00	218	50	"
Mean results for 1929	26 Samples	319	22	0.3	00	00	214	51	clear none none

TABLE VI.—Forstal Water Supply.

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.	Hardness.	Colour and appearance in 2-ft. tube.	Smell.	Phosphoric Acid.
Pumping Station	1929.								
	Jan. 7	565	39	0.2	00	00	352	122	clear
	" 21	580	38	0.3	00	00	355	122	"
	Feb. 4	555	39	0.2	00	00	348	130	"
	" 18	565	39	0.4	00	00	350	130	"
	Mar. 4	580	40	0.3	01	00	354	130	"
	" 18	570	38	0.3	00	00	354	130	"
	Apr. 2	565	37	0.3	00	00	356	130	"
	" 15	570	38	0.2	00	00	356	130	"
	" 29	580	39	0.3	00	00	358	130	"
	May 13	565	39	0.2	00	00	356	130	"
	" 27	550	39	0.2	00	00	352	130	"
	June 10	560	40	0.5	00	00	356	130	"
	" 24	580	39	0.3	00	00	360	132	"
	July 8	560	39	0.2	00	00	376	130	"
	" 22	565	40	0.2	00	00	360	130	"
	Ang. 6	585	39	0.3	00	00	360	130	"
	" 19	550	39	0.3	00	00	360	130	"
	Sept. 2	575	40	0.2	001	06	364	132	"
	" 16	560	40	0.3	00	00	360	130	"
	30	570	40	0.1	00	00	364	132	"
	Oct. 11	570	39	0.1	00	00	364	130	"
	" 28	575	39	0.3	00	00	366	130	"
	Nov. 11	565	38	0.3	00	00	360	130	slightly turbid
	" 25	575	40	0.2	00	00	364	130	clear
	Dec. 9	565	39	0.3	00	00	360	130	"
	" 23	555	40	0.2	00	00	360	130	"
Mean results for 1929	26 Samples	567	39	0.3	00	00	358	130	clear none none

All results are given in parts per hundred thousand, except Free and Albuminoid Ammonia, which are in parts per million.

TABLE VII.—Cossington and Forstal (Mixed Water Supply).

Source of Sample.	Date of Collection.	Total Solids.	Chlorine.	Nitrogen as Nitrates.	Ammonia.		Hardness.		Colour and appearance in 2 fl. tube.	Smell.	Phosphoric Acid.
					Free.	Albuminoid.	Total.	Perm.			
1929.											
29, Brunswick St. . .	Jan. 7	490	33	0.2	00	00	32.4	10.0	clear	none	none
24, Malling Terrace . .	" 11	500	32	0.3	00	00	32.2	10.0	..	..	..
81, King Edward Rd . .	" 21	480	32	0.3	00	00	32.0	9.8	..	..	..
Sanatorium, Fant Lane	" 28	460	31	0.4	00	00	30.4	10.4	..	..	..
13, Tonbridge Road . .	Feb. 4	45.5	31	0.1	00	00	30.4	10.4	..	..	..
231, Boxley Road . .	" 11	53.0	37	0.3	00	00	32.8	10.8	..	..	..
7, St. George's Sq. . .	" 18	42.5	30	0.1	00	00	27.2	6.8	..	..	..
13, Marsham Street . .	" 25	43.0	30	0.3	00	00	26.4	6.8	..	..	..
23, Thornhill Place . .	Mar. 1	48.0	32	0.3	00	00	31.4	10.4	..	..	..
31, King Edward Rd. . .	" 18	50.0	33	0.3	00	00	31.8	10.6	..	..	..
29, Thornhill Place . .	" 25	46.5	31	0.3	00	00	28.8	9.6	..	..	..
12a, St. Peter Street . .	April 2	44.0	30	0.3	00	00	27.6	9.1	..	..	..
Sanatorium, Fant Lane	" 8	46.5	32	0.3	00	00	29.2	10.2	..	..	..
13, Tonbridge Road . .	" 15	47.5	31	0.3	00	00	29.4	10.2	..	..	..
40, Thornhill Place . .	" 22	46.0	31	0.2	00	00	28.0	9.8	..	..	..
275, Upper Fant Rd. .	" 29	48.0	31	0.4	00	00	29.4	10.2	..	..	..
203, Queen's Road . . .	May 6	47.0	32	0.5	00	00	29.0	10.0	..	..	..
5, Cross Street	" 13	46.0	31	0.2	00	00	28.8	10.0	..	..	..
8, St. Peter Street . . .	" 21	44.5	31	0.4	00	00	28.4	9.8	..	..	..
10, Hastings Road . . .	" 27	45.0	31	0.4	00	00	28.4	9.8	..	..	..
15, Malling Terrace . . .	June 3	49.0	31	0.5	00	00	32.0	10.2	..	..	..
13, Tonbridge Road . . .	" 10	47.0	32	0.5	00	00	29.0	10.0	..	..	..
27, Wood-side Road . .	" 17	46.5	31	0.3	00	00	28.8	10.0	..	..	..
54, Hackney Road . . .	" 24	50.5	35	0.2	00	00	32.0	10.2	..	..	..
1, Coombe Road	July 1	50.5	35	0.2	00	00	29.2	10.6	..	..	..
Sanatorium, Fant Lane	" 8	49.0	35	0.2	00	00	32.0	10.0	..	..	..
63, Wheeler Street . . .	" 15	46.0	33	0.3	00	00	28.4	10.2	..	..	..
6, Camden Street	" 22	41.5	30	0.1	01	00	27.6	10.2	..	..	..
All Saints' School . . .	" 29	36.5	23	0.1	00	00	23.6	5.8	..	..	..
75, Plains Avenue	" 29	45.0	31	0.3	00	00	28.8	9.6	..	..	..
13, Foley Street	Aug. 6	48.0	34	0.3	00	00	29.6	9.8	slightly turbid	..	..
Osborne House, Loose Road	" 12	37.0	28	0.4	00	00	26.8	9.6	clear	..	..
39, Fant Lane	" 19	48.0	35	0.3	00	00	30.4	11.2	..	..	..
11, Cross Street	" 26	46.5	32	0.3	01	00	28.4	9.6	..	..	..
81, King Edward Rd. . .	Sept. 2	48.0	32	0.3	00	00	30.4	11.4	turbid deposit	..	..
31, Dover Street	" 9	41.0	32	0.4	00	00	28.8	9.6	clear	..	..
94, Salisbury Road . . .	" 16	51.0	36	0.3	00	00	32.0	12.0	slightly turbid	..	..
13, Tonbridge Road . . .	" 23	46.0	31	0.4	00	01	28.8	8.8	clear	..	..
13, St. Peter Street . . .	" 30	43.0	33	0.4	00	00	28.8	9.0	slightly turbid	..	..
2, Hope Cotts, London Road	Oct. 9	46.0	33	0.2	00	00	29.6	9.0	clear	..	..
81, Bower Street	" 14	50.5	34	0.4	00	00	32.0	11.4	..	..	..
102, Wheeler Street . . .	" 21	49.0	32	0.3	00	00	30.4	9.2	..	..	..
10, Canning Street . . .	" 28	47.0	33	0.3	00	00	29.4	9.2	..	..	..
81, King Edward Rd. . .	Nov. 1	51.5	34	0.3	00	00	29.6	9.2	..	..	..
13, Tonbridge Road . . .	" 11	49.5	33	0.4	00	01	29.4	9.0	slightly turbid	..	..
13, Tonbridge Road . . .	" 18	47.5	31	0.5	00	00	26.2	9.0	clear	..	..
16, Hart Street	" 25	49.5	33	0.2	00	00	29.4	9.0	..	..	..
6, Coombe Road	Dec. 2	49.5	34	0.3	00	00	31.6	9.4	slightly turbid	..	..
16, St. Peter Street . . .	" 9	41.0	30	0.3	00	00	29.0	8.8	clear	..	..
Brown Jug, George Street	" 16	41.0	30	0.3	00	00	29.2	9.0	..	..	..
7, Well Road	" 23	41.5	32	0.2	00	00	29.4	9.0	..	..	..
57, Greenway	" 30	45.0	30	0.4	00	00	29.6	9.0	..	..	..
Mean results for 1929	52 samples	46.7	32	0.3	00	00	29.6	9.3	clear	none	none

All results are given in parts per hundred thousand except Free and Albuminoid Ammonia, which are in parts per million.

METEOROLOGY.

The detail of meteorological observations is set forth in Table VIII.

The mean reading of the barometer for the year is 29.83, the highest monthly mean being for March 30.20, and the lowest for December 29.57.

The hottest month was July, giving a mean of the maximum readings of the thermometer in the shade of 73° , and the mean of minimum readings of 52° , while the coldest month was February, with a mean of maximum readings of 36° and a mean of minimum readings of 25° .

The prevailing winds were S.W., there being 96 days on which the wind was in this quarter.

The total rain-fall for the year was 24.98 inches, the heaviest amount falling in November, viz., 5.98 inches, while during March the amount registered was only .08 inches, this being the driest month of the year.

There were 142 days in the year on which .01 of an inch or more rain fell.

TABLE VIII.—Record of Meteorology, 1928.
Relative Proportion of Wind.
(Taken Daily at 9 a.m.)

MONTH.	RELATIVE PROPORTION OF WIND.							
	N.	N.E.	N.W.	S.	S.E.	S.W.	E.	W.
January	5	4	6	2	5	4	2	3
February	7	1	2	10	2	2	6	1
March	12	12	5	1	2	2	4	3
April	3	10	7	1	2	5	1	4
May	4	5	6	5	2	7	1	1
June	1	2	2	3	1	10	1	10
July	3	5	2	3	3	11	1	7
August	2	12	12	6	5	17	1	4
September	12	4	4	4	5	7	2	6
October	1	4	4	1	1	11	1	9
November	2	1	2	9	5	6	1	4
December	...	...	1	4	4	11	2	9
Total	23	48	42	41	35	96	20	60

MONTH.	Average Barometer.	Average Max. Thermometer.	Average Min. Thermometer.	RAINFALL.	No. of Days on which '01 or more rain fell.
January	30.17	36	29	1.11	17
February	30.02	36	25	.82	10
March	30.20	51	31	.08	4
April	29.79	52	35	1.13	13
May	29.75	65	44	1.20	9
June	29.77	68	49	1.10	11
July	29.71	73	52	1.11	8
August	29.69	72	53	1.93	8
September	29.81	72	52	1.00	5
October	29.67	56	35	3.61	14
November	29.77	49	36	5.98	17
December	29.57	47	35	5.61	26
Averages and Totals for Year	29.83	56	39	24.98	142

BOROUGH OF MAIDSTONE, 1929.

GENERAL SUMMARY.

Population (estimated 1929)—For Birth Rate ...	...	40,730
For Death Rate... ...	...	40,550
Number of Inhabited Houses (1921) ... ...	...	8,172
Average Number of Persons per House (1921) ...	...	4·6
Area... ... { East Maidstone, 2,019 acres West ,,, 1,989 ,,, } ...	...	4,008 acres
Density 10·2 persons per aere		
Annual Birth Rate per 1,000 population		15·9
Annual Death Rate ,,, ,,,		12·6
Phthisis Death Rate ,,, ,,,		·81
Other Tubercular Diseases Death Rate ,,, ,,,		·2
Infantile Death Rate per 1,000 Births ... ... ...	...	49·5
Births ... { Males, 326 Females, 321 } ... ... ...	...	647
Deaths ... { Males, 252 Females, 247 } ... ... ...	...	499
Excess of Births over Deaths ... ... ...	...	148
Elevation.—The population reside at a mean elevation of 70 feet above sea level, ranging from 20 to 250 feet.		

